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REFERENCES

- Tietze, Christopher et al. Time required for conception in 1,727 planned pregnancies. 1950. Fertility and Sterility 1, 4. 338-346.
- Whelpton, P. K. and Kiser, Clyde V. Social and Psychological Factors Affecting Fertility. 1946-1958. New York. Milbank Memorial Fund.
- 3. Henry, Louis. Fécondité des mariages. 1953. Paris: Presses Universitaires de France.
- 4. Stix, Regine K. and Notestein, Frank W. Controlled Fertility. 1940. Baltimore. Williams and Wilkins.
- Henripin, Jacques. La population Canadienne au début du XVIII^o siècle. 1954. Paris: Presses Universitaires de France.
- Tietze, Christopher. Reproductive span and rate of reproduction among Hutterite women. 1957. Fertility and Sterility, 8, 1. 89-97.
- 7. Guttmacher, Alan F. Fertility of man. 1952. Fertility and Sterility, 3, 4. 281-289.
- 8. Tietze, Christopher. Recommended Procedure for the Study of the Clinical Effectiveness of Contraceptive Methods. 1958. New York. National Committee on Maternal Health.

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REFERENCES

- 1. The Family in Contemporary Society (London, 1958, S.P.C.K.), which was reviewed in the eugenics review, (July 1958), 50, 2. 125-129.
- The Lambeth Conference 1958. London, 1958, S.P.C.K.: U.S.A., The Seabury Press.

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